	Application No.	Applicant(s)	m
Notice of Allowability		Applicant(s)	
	10/098,706	HEGDE ET AL.	
	Examiner	Art Unit	
	Asok K. Sarkar	2829	
The MAILING DATE of this communication appoints all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	or other appropriate communication of this appropriate communication of the subject of the subje	correspondence ada	ded
1. This communication is responsive to <u>Amendment filed 11/</u>	<u>3/2003</u> .		
2. The allowed claim(s) is/are <u>1-3,9,26,27 and 29.</u>			
3. The drawings filed on 15 March 2002 are accepted by the Examiner.			
4. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the:	der 35 U.S.C. § 119(a)-(d) or (f).		
1. Certified copies of the priority documents have been received.			
2. Certified copies of the priority documents have been received in Application No			
3. Copies of the certified copies of the priority documents have been received in this national stage application from the			
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.			
(a) I he translation of the foreign language provisional application has been received			
6. Acknowledgment is made of a claim for domestic priority ur in the first sentence of the specification or in an Application	der 35 I I S C 88 120 and/or 121 a	ince a specific referen	ce was included
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			
7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.			
8. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No			
(b) ☐ including changes required by the proposed drawing correction filed, which has been approved by the Examiner.			
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No			
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).			
9. DEPOSIT OF and/or INFORMATION about the deposi attached Examiner's comment regarding REQUIREMENT FOR TH	t of BIOLOGICAL MATERIAL n E DEPOSIT OF BIOLOGICAL MA	nust be submitted. N TERIAL.	ote the
Attachment(s)			
1☐ Notice of References Cited (PTO-892)	5□ Notice of Informal Pa	tent Application (PTO	152\
2 Notice of Draftperson's Patent Drawing Review (PTO-948)	6☐ Interview Summary (F		
3 Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No.	7⊠ Examiner's Amendme		
4 Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's Statemen 9⊡ Other	t of Reasons for Allowa	ance
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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on November 3, 2003 has been entered.

Response to Amendment

2. Applicant's explanation of the instant invention in pointing the difference with the cited prior art was found to be convincing to the Examiner. Additionally, Applicant's amendments of claims 1-3, 9, 26 and, 27 correct the problems noted in Paper No. 5, paragraphs 2-6 and accordingly, the rejection to claims 1-3, 9, 26, 27 and 29 based on 35 U. S. C. 112 and 103 (a) is withdrawn.

EXAMINER'S AMENDMENT

3. The title of the invention is not descriptive. A new title is provided that is clearly indicative of the invention to which the claims are directed. The title was amended as follows:

Delete original title and replace it with "Transistor with layered high-K gate dielectric and method therefor."

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Allowable Subject Matter

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4. Claims 1 – 3, 9, 26, 27 and 29 are now allowed.

5. The following is an examiner's statement of reasons for allowance:

Claims 1-3, 9, 26, 27 and 29 recite, inter alia, a gate dielectric of a transistor device comprising a layer of hafnium oxide over a layer of zirconium oxide. The art of record does not disclose or anticipate the above limitation in combination with other claim elements nor would it be obvious to modify the art of record so as to form a device including the above limitation.

Conclusion

- 6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asok K. Sarkar whose telephone number is 703 308 2521. The examiner can normally be reached on Monday Friday (8 AM- 5 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 703 308 1233. The fax phone number for the organization where this application or proceeding is assigned is 703 308 7722.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 308 4918.

Asok K. Sarkar November 20, 2003

David A. Farneke Primary Exact 11/20/3